



# Water YOU Drinking?

Community-Based Emergency Response Series

**CBERS**

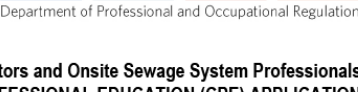
# Housekeeping Items

- Registration
- Restrooms
- Fire Evacuation
- Agenda



CEU

Commonwealth of Virginia  
 Department of Professional and Occupational Regulation  
 9960 Mayland Drive, Suite 400  
 Richmond, Virginia 23233-1485  
 (804) 367-8595  
[www.dpor.virginia.gov](http://www.dpor.virginia.gov)

  
 Department of Professional and Occupational Regulation

**Board for Waterworks and Wastewater Works Operators and Onsite Sewage System Professionals  
 CONTINUING PROFESSIONAL EDUCATION (CPE) APPLICATION  
 CERTIFICATE OF COMPLETION**

\_\_\_\_\_  
 Participant's Full Name

attended \_\_\_\_\_ hours of continuing professional education (CPE) training conducted at \_\_\_\_\_  
 (number of hours completed)

\_\_\_\_\_ on \_\_\_\_\_  
 (location) MM/DD/YYYY

Course Title \_\_\_\_\_

Description \_\_\_\_\_

Sponsor/Sponsor's Agent Signature \_\_\_\_\_ Date \_\_\_\_\_

**Sponsor/Sponsor's Agent Information (please print or type)**

Sponsor/Sponsor's Agent Name & Title \_\_\_\_\_  
 Organization/Company Name \_\_\_\_\_  
 Mailing Address \_\_\_\_\_  
 \_\_\_\_\_  
 City State Zip Code

Contact Numbers \_\_\_\_\_  
 Primary Telephone Alternate Telephone Fax

**Instructions**

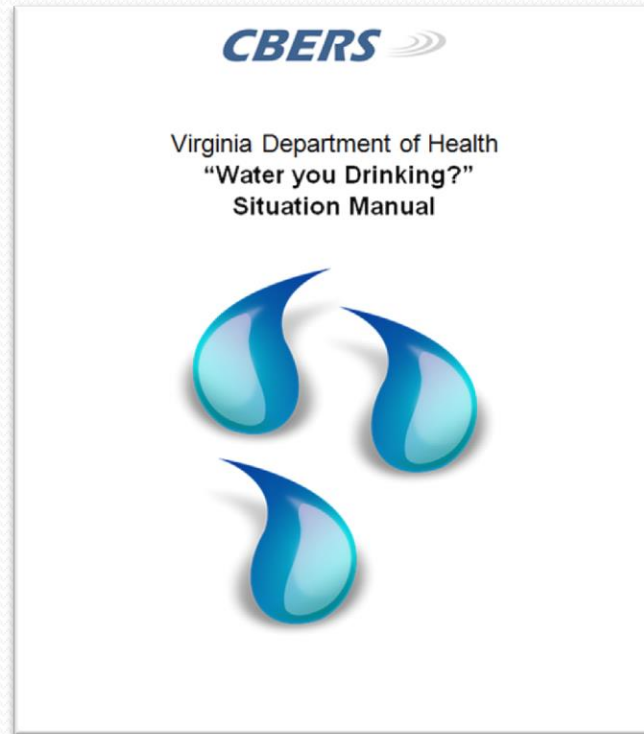
**Sponsor/Sponsor's Agent (Instructor, Proctor or Coordinator)**

Please provide the requested information by typing or printing in ink. Certificates completed in pencil will not be accepted.



# Resources

- CBERS Webpage:  
<http://www.vdh.virginia.gov/emergency-preparedness/cbers2017/>
- Situation Manual





# Objectives

- At the conclusion of this tabletop exercise, participants will be able to:
  - assess lines of communication between agencies;
  - identify interdependencies between different agencies;
  - assess agency capabilities and resources;
  - determine stakeholder's roles and responsibilities.



# Offices/Agencies

## Roles and Responsibilities

- Virginia Department of Health (VDH)
  - Office of Drinking Water (ODW)
  - Office of Environmental Health (EH)
  - Office of Epidemiology (EPI)
- Virginia Department of Environmental Quality (DEQ)
- Virginia Department of Agriculture and Consumer Services (VDACS)



# **Virginia Department of Health Office of Drinking Water**

The Office of Drinking Water  
is committed to protecting public health  
by ensuring that all Virginians  
have access to an adequate supply  
of clean, safe drinking water  
that meets or exceeds the federal  
and state drinking water standards.



# Office of Drinking Water

## Major Program Areas

- Drinking Water State Revolving Loan Fund (DWSRF)
- Public Water Supply Supervision (PWSS)
- Capacity Development
- Operator Certification & Training
- Data Management
- Legal Affairs (Enforcement)





# Office of Drinking Water Functions

- Primary Enforcement of the Federal Safe Drinking Water Act
- Compliance oversight
- Technical assistance
- Financial assistance to resolve public health and compliance issues
- Critical infrastructure protection





## Service Areas

- AFO
- LFO
- SEVFO
- DFO
- CFO

# Office of Drinking Water

[www.vdh.virginia.gov/drinking-water/](http://www.vdh.virginia.gov/drinking-water/)

## Headquarters (Central Office)

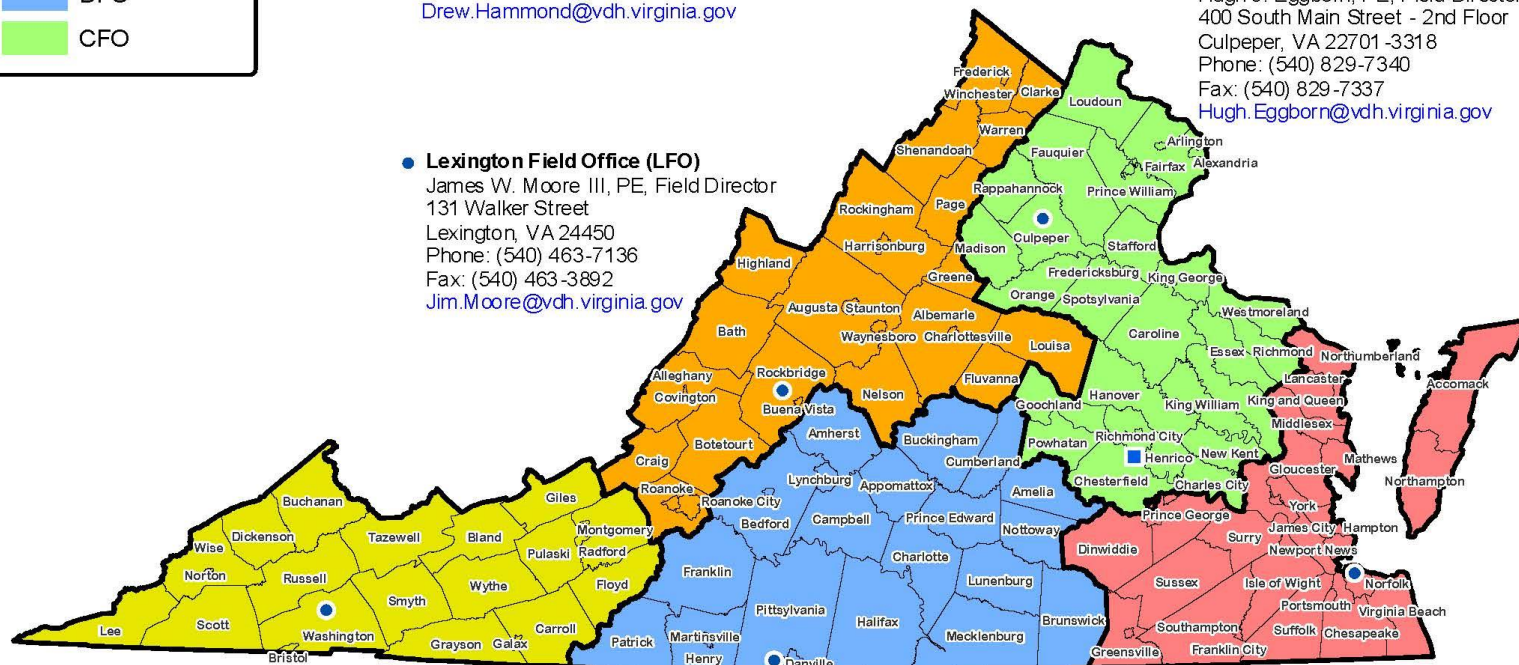
Drew Hammond, PE, Acting Director  
109 Governor Street, 6th Floor  
Richmond, VA 23219  
Phone: (804) 864-7500  
Fax: (804) 864-7521  
[Drew.Hammond@vdh.virginia.gov](mailto:Drew.Hammond@vdh.virginia.gov)

## Culpeper Field Office (CFO)

Hugh J. Eggborn, PE, Field Director  
400 South Main Street - 2nd Floor  
Culpeper, VA 22701-3318  
Phone: (540) 829-7340  
Fax: (540) 829-7337  
[Hugh.Eggborn@vdh.virginia.gov](mailto:Hugh.Eggborn@vdh.virginia.gov)

## Lexington Field Office (LFO)

James W. Moore III, PE, Field Director  
131 Walker Street  
Lexington, VA 24450  
Phone: (540) 463-7136  
Fax: (540) 463-3892  
[Jim.Moore@vdh.virginia.gov](mailto:Jim.Moore@vdh.virginia.gov)



## Abingdon Field Office (AFO)

Raymond A. Whitner, Field Director  
407 East Main Street, Suite 2  
Abingdon, VA 24210  
Phone: (276) 676-5650  
Fax: (276) 676-5659  
[Ray.Whitner@vdh.virginia.gov](mailto:Ray.Whitner@vdh.virginia.gov)

## Danville Field Office (DFO)

Jeffrey S. Wells, PE, Field Director  
211 Nor Dan Drive, Suite 1040  
Danville, VA 24540  
Phone: (434) 836-8416  
Fax: (434) 836-8424  
[Jeff.Wells@vdh.virginia.gov](mailto:Jeff.Wells@vdh.virginia.gov)

## Southeast Virginia Field Office (SEVFO)

Daniel B. Horne, PE, Field Director  
830 Southampton Avenue, Room 2058  
Norfolk, VA 23510  
Phone: (757) 683-2000  
Fax: (757) 683-2007  
[Daniel.Horne@vdh.virginia.gov](mailto:Daniel.Horne@vdh.virginia.gov)

# Interaction with local health districts

- Boil Water Advisories
- Restaurant water supplies - joint effort with OEHS
- Coordination of ODW enforcement actions with food service, hotel/motel, and campground permit renewals
- Enforcement coordination – Informal Fact-Finding Proceeding (IFFPs)
- Lead in drinking water



What are your  
questions?



# Office of Environmental Health Services (OEHS)

Mission: To protect public health by preventing transmission of disease through food, milk, shellfish, water, and sewage and to work in partnership with other agencies to protect the environment.



# OEHS Regulatory Programs



**Food  
Establishments**



**Tourist  
Establishments**



**Summer Camps**



**Grade "A" Milk**



**Campground**



**Onsite Sewage  
and Water**



**Migrant Labor  
Camp**

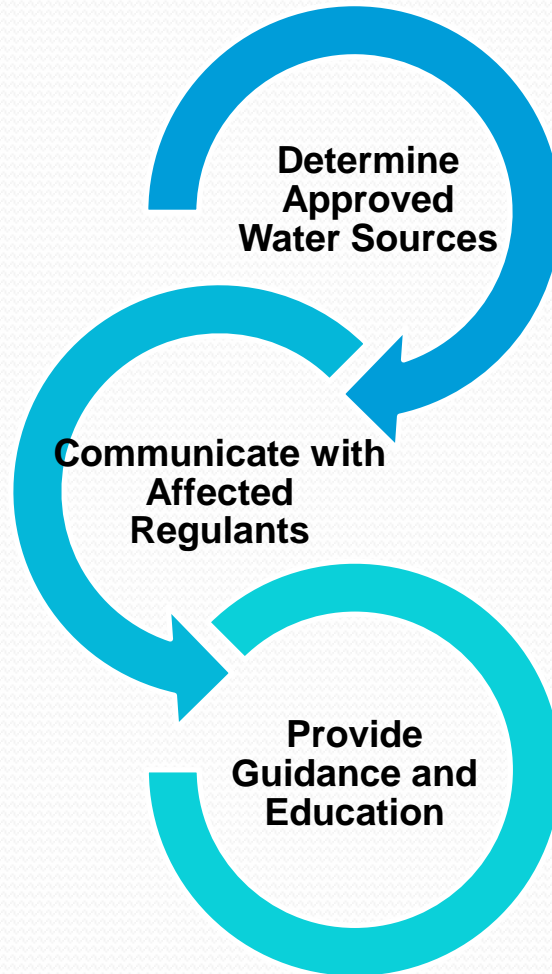


**Shellfish**





# OEHS: When Disaster Strikes..



# OEHS: A Resource

**VDH** VIRGINIA DEPARTMENT OF HEALTH  
To promote and protect the health of all Virginians

Search ...



## GO TO

- Births, Deaths & Marriages
- EMS
- Application for a Letter Authorizing Cooperative Agreement
- VDH Programs**
- Resources for Health Care Professionals
- Child Passenger Safety Laws
- AIDS, HIV and STDs
- WIC
- Shots for School
- Ticks & Mosquitoes
- Health Care Facility Licensing
- Medical Examiner
- Opioid Addiction in Virginia

HOW DO I HEALTH TOPICS A-Z LOCAL HEALTH DISTRICTS DATA NEWSROOM PLAN FOR WELL-BEING



<http://www.vdh.virginia.gov/>

# OEHS: A Resource

**VIRGINIA DEPARTMENT OF HEALTH**  
To promote and protect the health of all Virginians

Search ...

HOME ABOUT US HOW DO I HEALTH TOPICS A-Z LOCAL HEALTH DISTRICTS DATA NEWSROOM PLAN FOR WELL-BEING

Virginia Department of Health > VDH Programs

Offices of VDH

VDH Programs

Email this page

**VDH PROGRAMS**  
**Commissioner**  
Meetings Calendar  
Board of Health

## Environmental Health Services

Bedding and Upholstery Inspection

Childhood Lead Poisoning Prevention Program

Food and Restaurant Safety

Restaurant Inspections 



# OEHS: A Resource



Environmental Health Services

Bedding and Upholstered Furniture  
Program

Childhood Lead Poisoning  
Prevention

Food Safety in Virginia

Onsite Sewage and Water  
Services

Shellfish Sanitation

Tourist Establishment  
Regulation

Environmental Health Calendar

[Email this page](#)



## ENVIRONMENTAL HEALTH SERVICES

*The mission of the OEHS is to protect public health by preventing the transmission of disease through food, milk, shellfish, water and sewage and to work in partnership with other agencies to protect the environment.*

### Contact Us

If calling about applications for wells or septic systems or restaurant inspections, contact the Environmental Health division within your local health department.

### Environmental Health Services

109 Governor St., 5th Floor  
Richmond, VA 23219  
804-864-7473





# OEHS: A Resource

## FOOD SAFETY IN VIRGINIA

The Virginia Department of Health works with food establishment owners and consumers throughout the Commonwealth to prevent and address foodborne illness. Learn more about food safety services and resources below.

I want to...



Report a Foodborne  
Illness



Operate a  
Food Establishment



Read Virginia's  
Food Regulations



Find  
Information



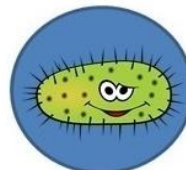
I want to learn more about...



VDH and  
Food Safety



Food Safety  
Basics



Foodborne Diseases  
and Outbreaks



Milk  
Safety



Food  
Recalls



Safe Dining  
Out Tips



Milk  
Safety



ADA and Food  
Establishments



Report a Foodborne  
Illness



# OEHS: A Resource

Still have questions?



**Food Guidance  
Documents**



**Additional  
Resources**



**Ask the Food  
Safety Experts**





# OEHS: A Resource

## During Emergencies:

- [Emergency Preparedness & Response](#) (CDC)
- [Tips for Keeping Your Food & Water Safe After a Disaster](#) (CDC)
- [Food & Water Safety During Hurricanes, Power Outages & Floods](#) (FDA)
- [Emergency Preparedness](#) (USDA)

## Water-Related:

- [Virginia Department of Health: Office of Drinking Water](#) (VDH)
- [Fish Consumption Advisories in Virginia](#) (VDH)



# OEHS: A Resource



## Environmental Health Services

[Bedding and Upholstered Furniture Program](#)

[Childhood Lead Poisoning Prevention](#)



[Food Safety in Virginia](#)

[Onsite Sewage and Water Services](#)



[Shellfish Sanitation](#)

[Tourist Establishment Regulation](#)



[Environmental Health Calendar](#)

[Email this page](#)



## ENVIRONMENTAL HEALTH SERVICES

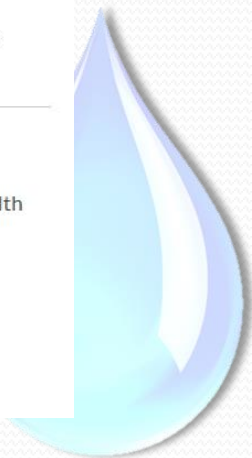
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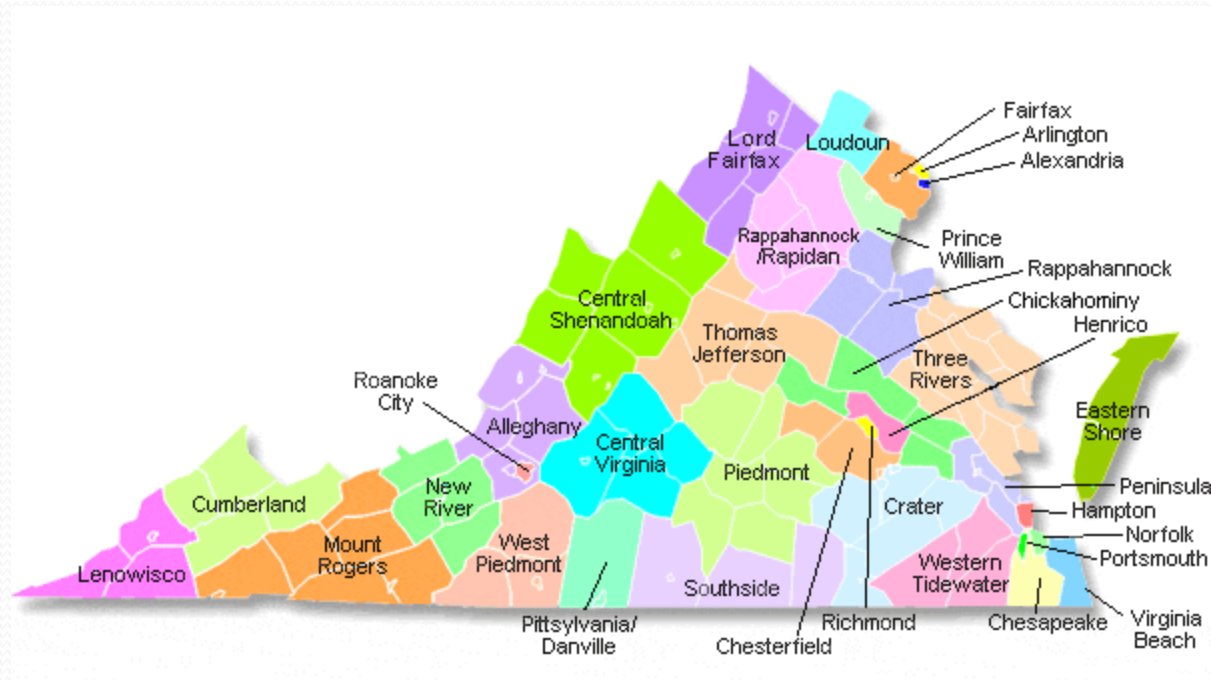
### Environmental Health Services

109 Governor St., 5th Floor  
Richmond, VA 23219  
804-864-7473



# Local Health Districts

- Find Your Local Health District By County



# OEHS Contact Information

## **Environmental Health Services**

109 Governor Street, 5<sup>th</sup> Floor

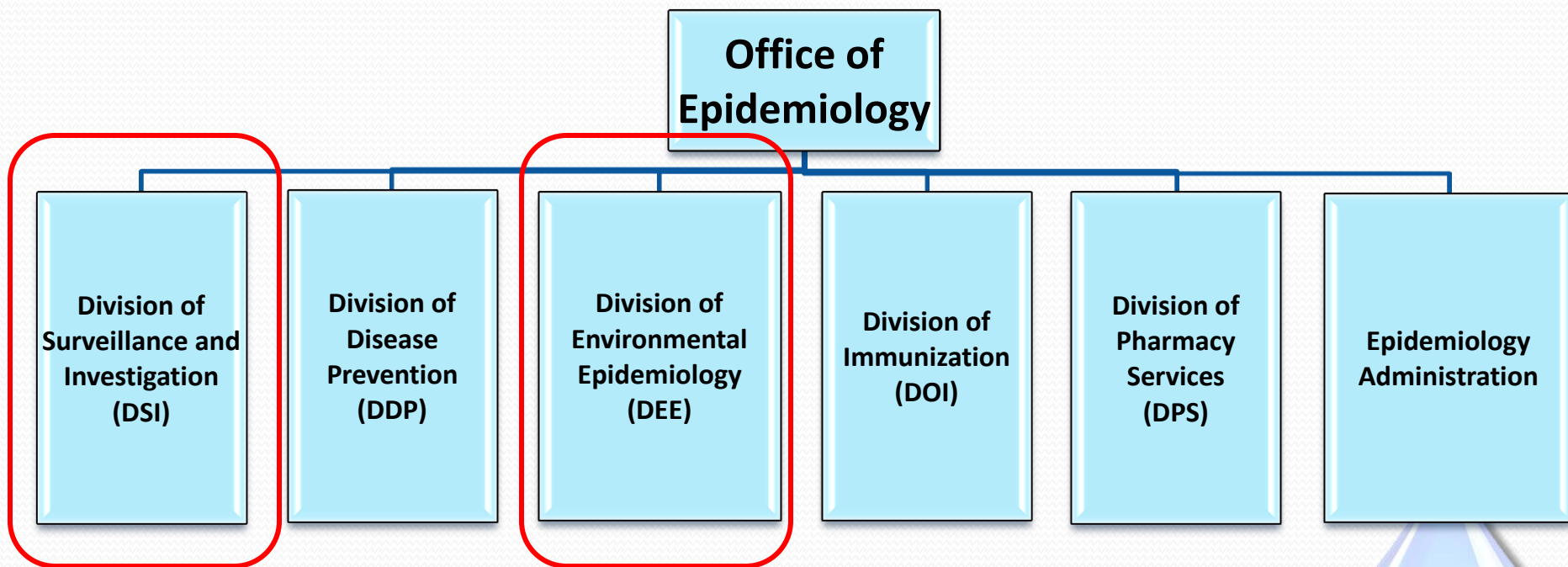
Richmond, Virginia 23219

(804) 864-7473

[www.vdh.virginia.gov/environmental-health](http://www.vdh.virginia.gov/environmental-health)



# VDH-Office of Epidemiology



DSI and DEE play  
active roles in  
today's scenario

# VDH-Office of Epidemiology

## Division of Environmental Epidemiology (DEE)

Programs:

- Waterborne Hazards Control\*
- Public Health Toxicology \*
- Vector-borne Diseases
- Zoonotic Diseases

## Division of Surveillance and Investigation (DSI)

Programs:

- Outbreak Management\*
- Syndromic Surveillance\*
- Communicable Disease Surveillance\*
- Foodborne Diseases
- Healthcare Associated Infections

*\*Indicates program may be relevant to the scenario*





# Roles & Responsibilities - DEE

## Division of Environmental Epidemiology – Waterborne Hazards Control & Public Health Toxicology

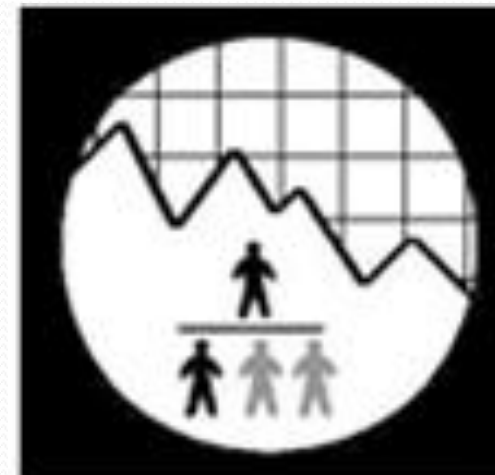
- Prevent and control human diseases due to exposure to chemical & biological agents in the environment
- Facilitate environmental monitoring & analysis when water advisories are in the interest of public health
- Coordinate with DSI, regional epidemiologists & district communicable disease staff when human exposures or outbreak events are reported in conjunction with water exposure
- Issue public notifications & advisories for waterbodies posing a health risk



# Roles & Responsibilities - DSI

## **Division of Surveillance and Investigation - Outbreak Management, Syndromic Surveillance, Communicable Disease Surveillance**

- Monitor the occurrence of reportable and emerging diseases or suspected outbreaks of illness
- Provide recommendations and guidance to local health districts for investigations to prevent the spread of communicable diseases
- Provide appropriate guidance to healthcare providers in various settings
- Investigate outbreaks of disease and other public health emergencies



# Roles & Responsibilities – DEE/DSI

- Coordinate with CDC/other federal agencies during large scale public health events & events of public health importance
- Develop health messages & recommendations for the public
- Consult with DCLS/other laboratories for appropriate collection of specimen/water samples and analyses
- Work with local health district communicable disease staff to coordinate human disease surveillance
- Communicate with the local Health Director(s), VDH Offices, during investigation of public health events and implementation of contingency actions



# Roles & Responsibilities – District Communicable Disease Staff

## District Epidemiologists & Nurses

- Investigate public health disease complaints and outbreaks
- Identify exposures that may have led to outbreaks and control and prevent them from occurring in the future
- Share exposure prevention messages with the public



# Regulations

DEE – Closing of waters; modification or revocation of regulation or order

- Code of Virginia 32.1 - 248

<http://law.lis.virginia.gov/vacode/title32.1/chapter6/section32.1-248/>

DSI – Regulations for Disease Reporting & Control

- 12 VAC 5-90

<http://www.vdh.virginia.gov/content/uploads/sites/13/2016/03/Regulations-for-Disease-Reporting-and-Control-October-2016.pdf>





# Contact Us

## Division of Environmental Epidemiology (DEE)

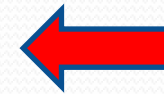
<http://www.vdh.virginia.gov/environmental-epidemiology/>

Director, Caroline Holsinger, DrPH, MPH, CPH

[Caroline.Holsinger@vdh.virginia.gov](mailto:Caroline.Holsinger@vdh.virginia.gov) (804)864-8111

Waterborne Hazards Control Coordinator, Margaret Smigo

[Margaret.Smigo@vdh.virginia.gov](mailto:Margaret.Smigo@vdh.virginia.gov) (804)864-8128



Contact for  
Advisories

## Division of Surveillance and Investigation (DSI)

<http://www.vdh.virginia.gov/surveillance-and-investigation/>

Director, Diane Woolard, PhD, MPH

[Diane.Woolard@vdh.virginia.gov](mailto:Diane.Woolard@vdh.virginia.gov) (804)864-8141

Epidemiology Program Manager, Seth Levine, MPH

[Seth.Levine@vdh.virginia.gov](mailto:Seth.Levine@vdh.virginia.gov) (804)864-8116

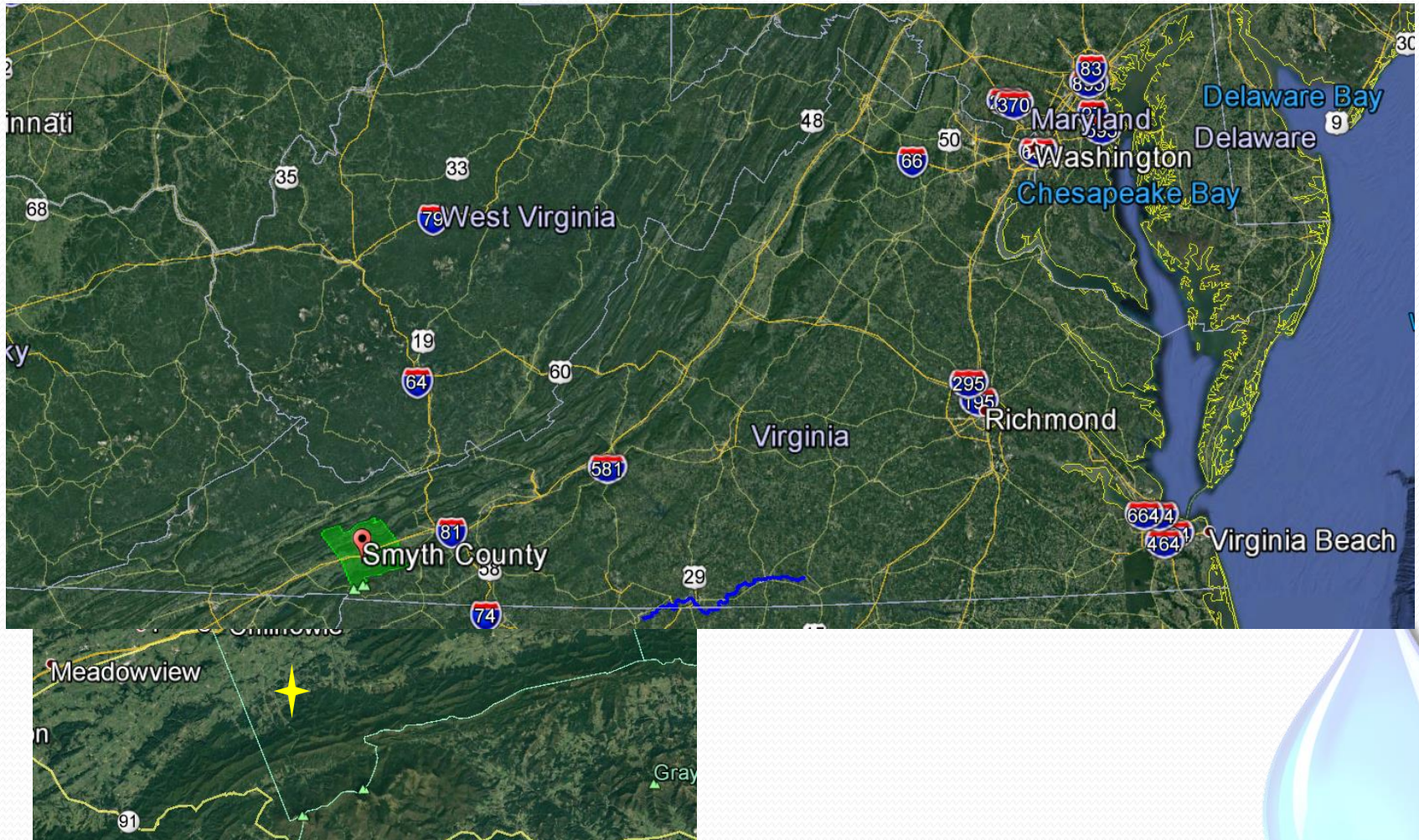
To contact local health department staff, including communicable disease staff, find the appropriate office at the following webpage:

<http://www.vdh.virginia.gov/local-health-districts>





# Smyth County Water Tank Vandalism



# Virginia Department of Environmental Quality

## Pollution Response Program “PREP”



# DEQ Mission

*“To protect and enhance Virginia's environment and promote the health and well-being of the citizens of the Commonwealth.”*



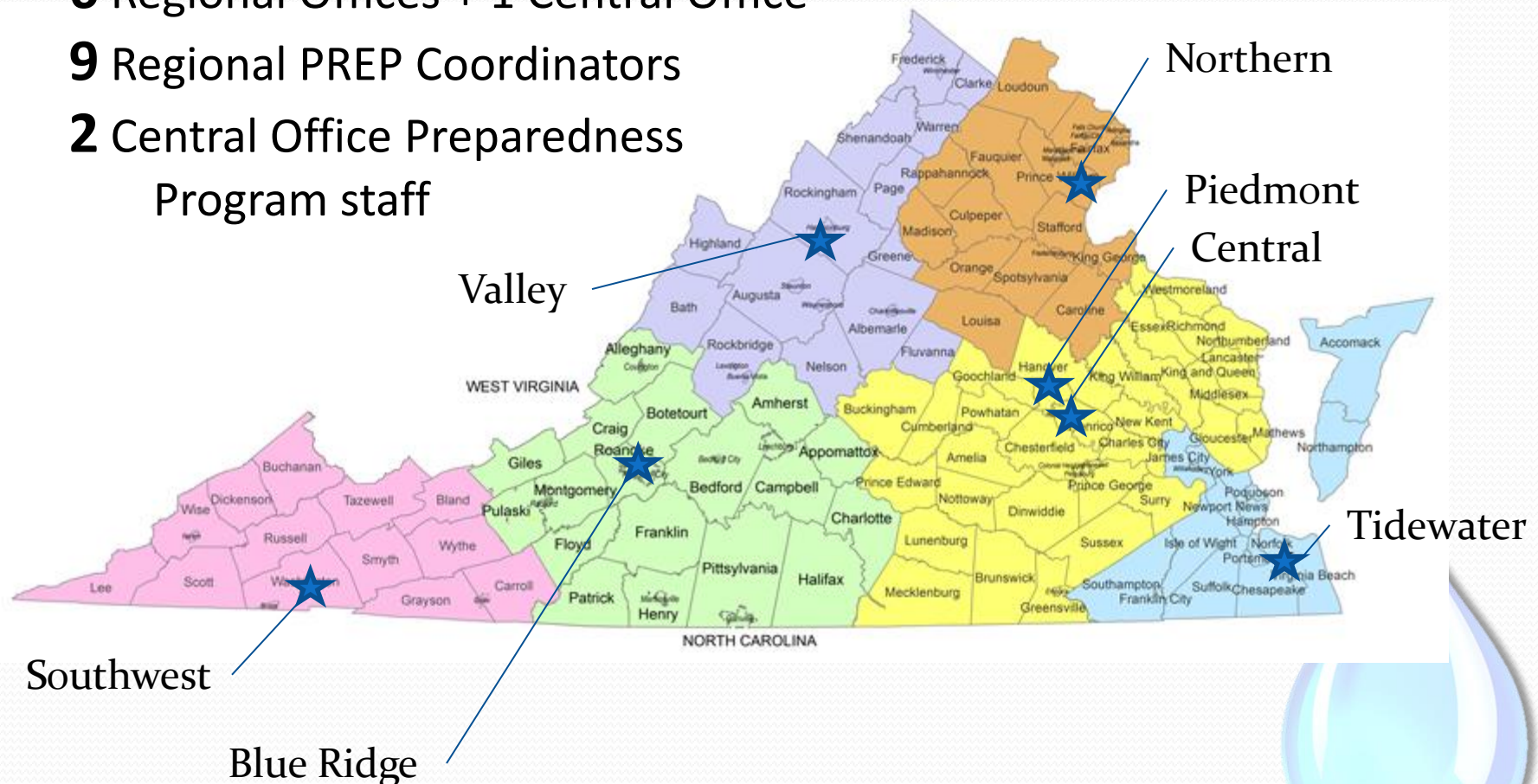


# DEQ Offices and PREP Staffing

## 6 Regional Offices + 1 Central Office

## 9 Regional PREP Coordinators

## 2 Central Office Preparedness Program staff



Open Burning  
Odor **Air** Fugitive Dust  
Fugitive Emissions

Unknowns

Wetlands  
Non-Point Source  
MS<sub>4</sub> **Water** Fish Kills  
SSO Point Source Overflow  
Bypass

Tanker Spills  
Surface Spills  
**Petroleum**  
Tank Releases  
Pipeline Spills

Hazardous Waste  
CAFO  
Biosolids **Land** Poultry  
Agriculture Solid Waste

# PREP COMPLAINTS & INCIDENTS



**3,000+**

Complaints and  
oil/hazmat  
incidents  
annually



**33%** Petroleum  
related

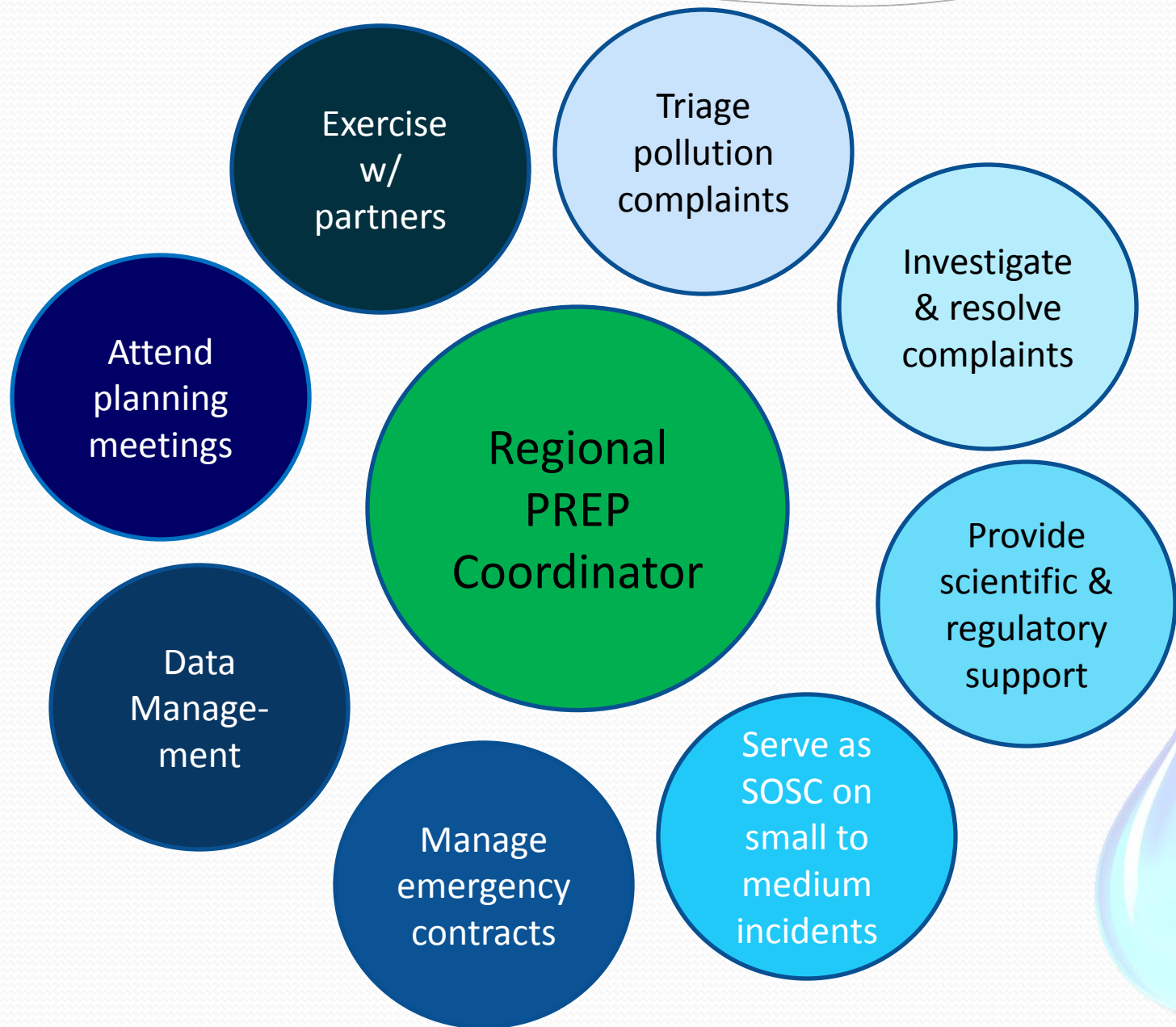
**33%** Illicit  
discharges to  
surface water



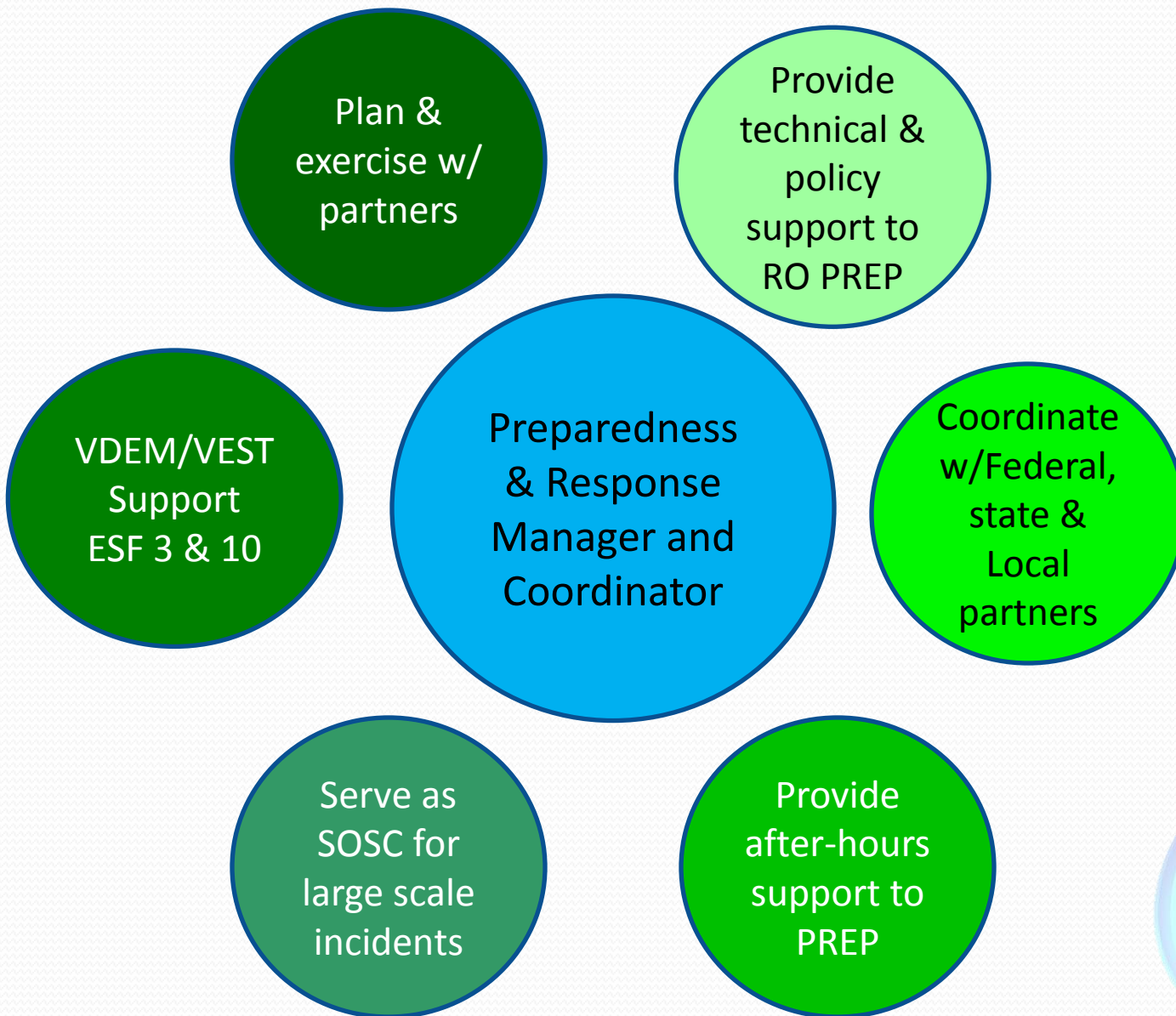
**Balance**  
**includes** solid and  
hazardous waste,  
air pollution, agricultural,  
biosolids, fish kills



# REGIONAL PREP ROLES



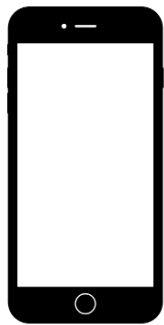
# CENTRAL OFFICE PREP ROLES



# REPORTING A POLLUTION INCIDENT

## Normal Business Hours

Call the appropriate DEQ regional office



## Nights, Holidays Weekends

Call the Virginia Emergency Operations Center

In-state calls only: (800)468-8892

Out-of-state calls: (804)674-2400



## From DEQ's Homepage

Click on **"REPORT POLLUTION"**



# REQUIRED INFORMATION

When reporting a pollution incident, please provide:



**WHERE:** Provide the location of the incident. Start with an address and then specific directions for hard-to-find places.



**WHEN:** Provide the date & time of when the incident occurred.

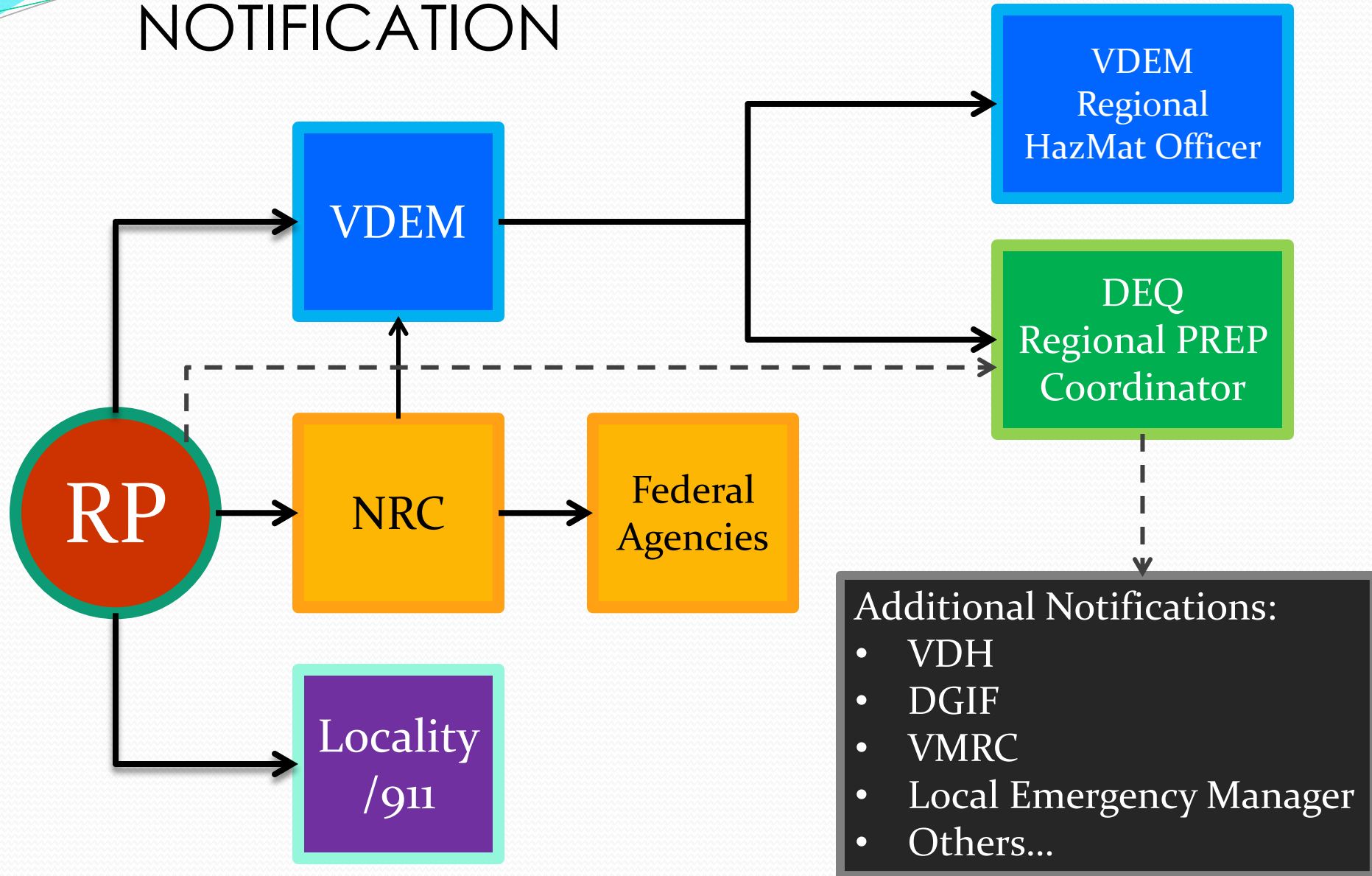


**WHAT:** Provide description/observations of the incident, i.e. materials involved, impacts to water, impacts to fish/wildlife, etc.



**WHO:** Provide the name, address and any other contact information you have for the person responsible for the release.

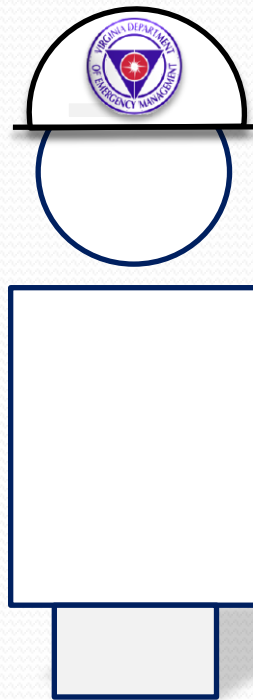
# NOTIFICATION



# ROLES & RESPONSIBILITIES

During significant oil/hazmat incidents, the State will deploy a State On-Scene Coordinator (SOSC) to represent the Commonwealth in all on-scene decisions related to the mitigation of the incident.

**Where impacts involve immediate safety of public, VDEM is the lead.**



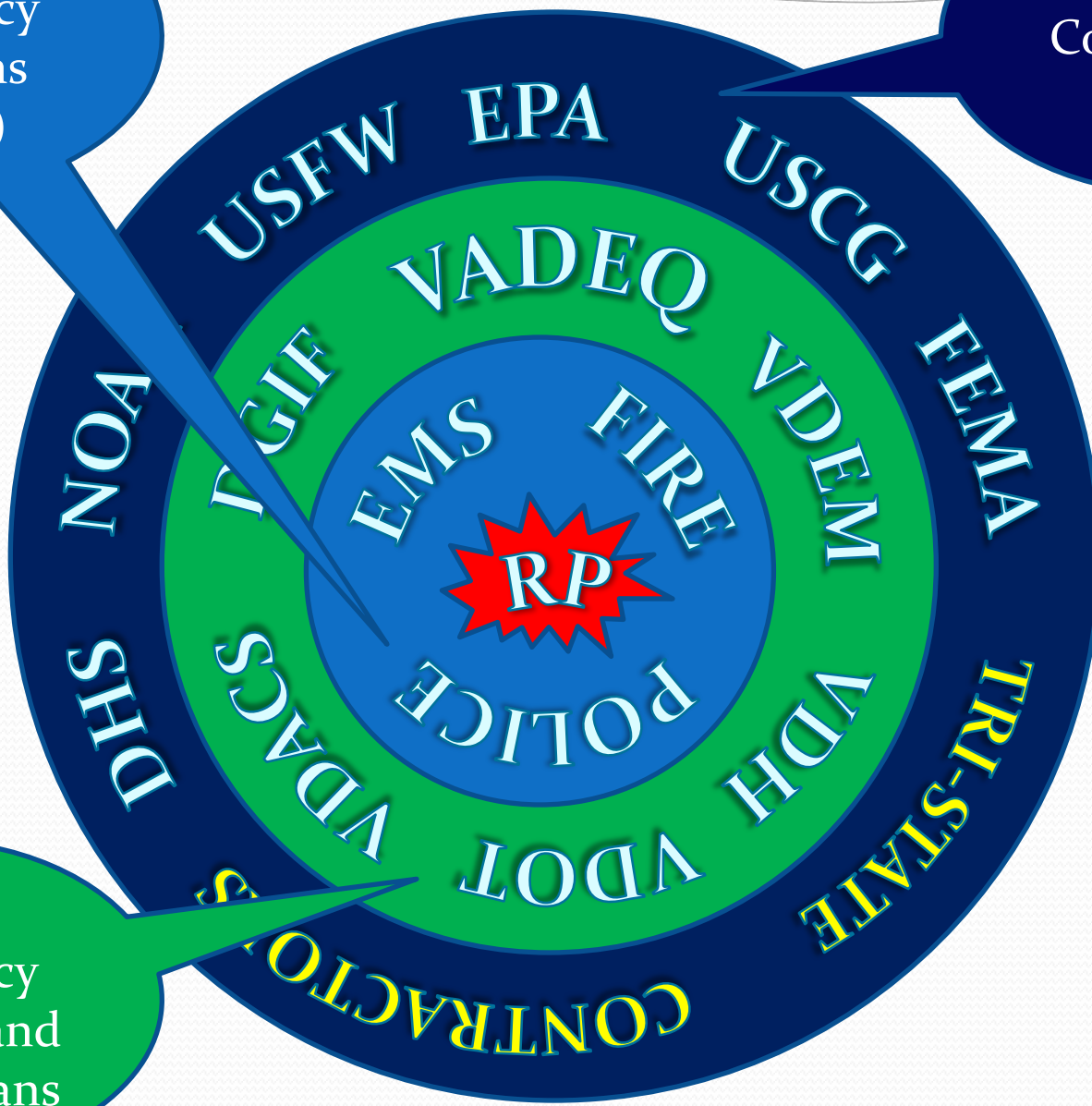
**Where primary impact involves human health & environment DEQ is the lead.**





Local  
Emergency  
Ops Plans  
(LEPCs)

Inland and  
Coastal Area  
Plans



State  
Emergency  
Ops Plan and  
Agency Plans



# INCIDENT COMMAND SYSTEM

Emergency  
Management

## UNIFIED COMMAND

**Federal On-Scene Coordinator (FOSC)**  
USCG or EPA

**Local Emergency Manager**

**State On-Scene Coordinator (SOSC)**  
DEQ & VDEM

**Responsible Party**

Planning

Operations

Logistics

Finance

Environmental  
Unit

Fire & EMS

DEQ Staff

DEQ Staff

VDH

DGIF/  
USFWS

Local  
Water  
Authority



# DEQ PREP Contacts

## Blue Ridge Regional Office

3019 Peters Creek Road

Roanoke, VA 24019

(540) 562-6700

[Allen.Linkenhoker@deq.virginia.gov](mailto:Allen.Linkenhoker@deq.virginia.gov)

[Steve.Woodyard@deq.virginia.gov](mailto:Steve.Woodyard@deq.virginia.gov)

## Northern Regional Office

13901 Crown Court

Woodbridge, VA 22193

Phone: (703) 583-3800

[Alan.Lacy@deq.virginia.gov](mailto:Alan.Lacy@deq.virginia.gov)

## Tidewater Regional Office

5636 Southern Blvd.

Virginia Beach, VA 23462

Phone: (757) 518-2000

[John.Settle@deq.virginia.gov](mailto:John.Settle@deq.virginia.gov)

## Piedmont Regional Office

4949 Cox Rd.

Glen Allen, VA 23060

Phone: (804) 527-5020

[Jeremy.Kazio@deq.virginia.gov](mailto:Jeremy.Kazio@deq.virginia.gov)

## Southwest Regional Office

355 Deadmore St.

Abingdon, VA 24210

(276) 676-4800

[Mark.Kidd@deq.virginia.gov](mailto:Mark.Kidd@deq.virginia.gov)

## Valley Regional Office

4411 Early Rd.

Harrisonburg, VA 22801

Phone: (540) 574-7800

[Jennifer.Welcher@deq.virginia.gov](mailto:Jennifer.Welcher@deq.virginia.gov)



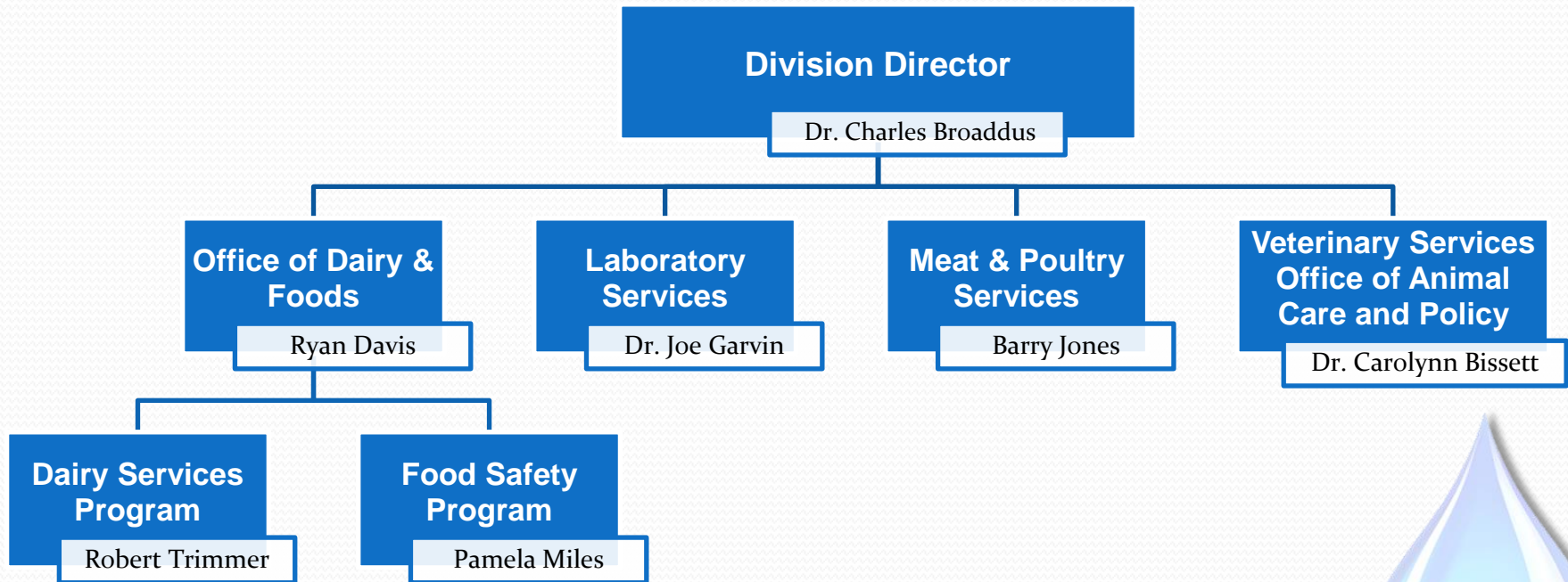
# Virginia Department of Agriculture and Consumer Services

The Virginia Department of Agriculture and Consumer Services (VDACS) provides inspection and grading services for a variety of agricultural commodities, foods, plants, animals and consumer services.



# Division of Animal & Food Services

## Program Offices



# The Dairy Services Program

Bob Trimmer, Dairy Program Supervisor

## Jurisdictional Areas:

- Grade A Dairy Farms
- Milk Tank Trucks
- Manufactured Milk Processors
  - Cheese (cow, goat, sheep)
  - Butter
  - Powdered Milk
  - Frozen Desserts (ice cream, yogurt, etc.)

## Staff Structure:

- One Program Supervisor
- One Regional Manager
- Eight Dairy Inspectors
- One Program Support Technician





# Office of Meat and Poultry Services

Barry Jones, OMPS Program Manager

- Administers the meat and poultry inspection laws and regulations designed to provide and maintain a safe, unadulterated, wholesome and accurately labeled meat and poultry supply.
- The office oversees the process of converting farm-raised animals into food products, which includes raw products such as ground meat as well as cooked products such as Brunswick stew. Inspection services are available to individuals or companies that slaughter and/or process meat and poultry products.
- Inspection teams and compliance officers



# Food Safety Program

## Establishment Types

### Retail Food Industry:

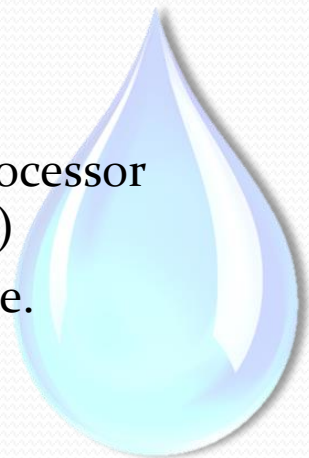
- Supermarkets
- Grocery & Convenience Stores
- Bakeries
- Meat Markets
- Seafood
- Specialty Stores
- Drug Stores
- Farmers Markets

### Food Warehouses:

- Multiple Foods Facilities
- Cold & Frozen Storage Facilities
- Beverage Facilities

### Processed Foods Industry:

- All Food Processors (OMPS exception)
- Seafood
- Bakeries
- Beverages
- Candy
- Ice and Bottled Water
- Spices
- Ethnic Foods
- Fruit and Vegetable Processor (produce, sprouts, etc.)
- Alcoholic Beverages (i.e. wineries, breweries)



# Agricultural Commodities Program

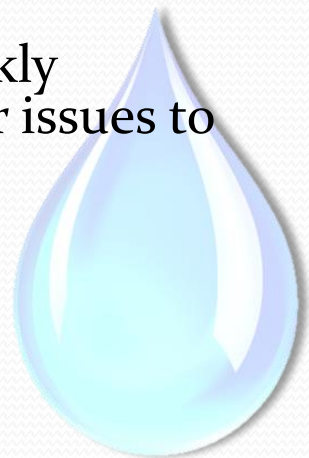
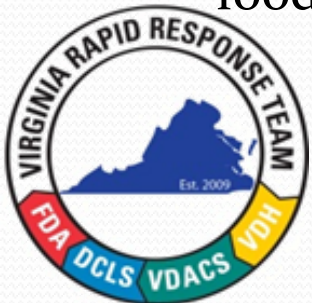
Deb Hargrave -Program Supervisor

- The Agricultural Commodities Program in the Office of Plant Industry Services is responsible for ensuring the integrity of commodities regulated under Virginia's Animal Remedies, Commercial Feed, Seed, Fertilizer and Agricultural Liming Materials Laws.
- Compliance and Inspection Services



# Virginia Rapid Response Team

- In October 2009, the VDACS Food Safety Program was one of three states awarded a 3-year cooperative agreement from FDA to develop and sustain an all Food Hazards Rapid Response Team, encompassing both food and feed protection programs, through a process to further enhance and build the infrastructure of the State's food protection program.
- The Virginia RRT's mission is to provide a rapid unified multiagency all hazards response to food/feed emergencies in order to minimize the social, economic and public health impact.
- The RRT maintains constant communication through weekly conference calls to discuss ongoing and emerging threats or issues to food and feed safety.



# Virginia RRT Membership

- Virginia Department of Agriculture and Consumer Services
  - Food Safety Program
  - Dairy Program
  - Office of Meat and Poultry Services
  - Agricultural Commodities Program
- Virginia Department of Health
  - Office of Epidemiology
  - Office of Environmental Health
  - Office of Shellfish Sanitation
- Division of Consolidated Laboratory Services
- U.S. Food and Drug Administration
  - Baltimore District Office
- United States Department of Agriculture
  - Food Safety Inspection Service





# Virginia Department of Agriculture and Consumer Services

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## **VDACS Meat and Poultry Inspection Program**

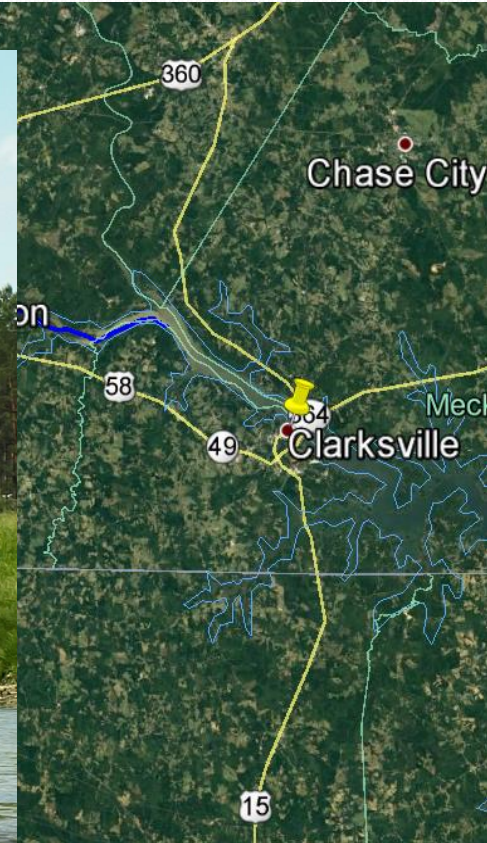
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# Dan River Coal Ash Spill



# Notable Water Emergency Events

- NRG Potomac River Sheen – November 20, 2016
- Verso Latex Spill – September 23, 2015
- Virginia American Water (Hopewell) Diesel Spill - March 2, 2015
- CSX Lynchburg Crude Oil Train Derailment – April 30, 2014
- Colonial Pipeline Release Sugarland Run - 1993
- Colonial Pipeline Release Manassas & Locust Grove - 1980





# Break Time

- 15 Minutes



# Exercise Structure

- This exercise is a highly interactive facilitated exercise with two learning modules:
  - **Module 1 – Identification of Incident**
    - Questions for Participant Groups
  - **Module 2 – Identification of Response Actions**
    - Questions for Participants Groups
  - **Wrap-Up Activities (Hot Wash)**



# Table-top Exercise Roles and Responsibilities

- *Table Discussion Leader:* representative from each table (volunteered by the group) who will lead the group as they explore discussion questions and the breakout activities
- *Table Recorder/Reporter:* representative from each table (volunteered by the group) who will ensure that the group discussions are kept on time /records the key themes at the table and is responsible for reporting out during the large group dialogue





# Module 1: Identification of Incident

## Monday

- Water department reviews its files
  - After-hours maintenance scheduled maintenance was performed in the industrial park on Friday evening
  - Reviews customer complaint calls from over the weekend and into Monday morning, and no record of other complaints
- Field crew arrives at the café and verifies strong chemical odor and collect samples



# Module 1: Identification of Incident

## Monday

- Water utility calls ODW to alert them of the situation and seek advice
- In consultation with primacy agency, the water utility issues a “Do Not Use” notification to residents of the industrial park and surrounding areas



# Module 1: Table Activity Session

1. Consider the developments while answering assigned questions
2. Identify any additional requirements, critical issues, decisions, and questions you think should be addressed at this time
3. Record any unanswered assigned questions or participant questions



# Breakout Session

30 Minutes to discuss questions

30 Minutes for all groups to report out





*Lunch Time*





A photograph showing a storm drain in a grassy area. A large, colorful oil slick is visible on the pavement in the foreground, displaying iridescent colors like blue, green, yellow, and purple. The word "Video" is overlaid in white text in the center of the image.

Video



# Module 2: Identification of Response Action

## Monday

- Water utility and EH starts door-to-door interviews to look for any other signs that can explain the chemical odor in the water
- The manufacturer of herbicides provider, the company relates a strange incident that occurred.



# Module 2: Identification of Response Action

## Monday

- A glyphosate-based herbicide mixed with MethylEthylBad and water was mixed on Friday, in preparation for distribution on Monday
  - 40,000-gallons of herbicide mixture in container
  - Monday morning tank was empty
- Camera video footage shows two teens



# Module 2: Identification of Response Action

## Monday

- Discussion continues local and state officials
  - Local public health, local emergency management and city government.
  - When the worker returned, the herbicide container was empty and the hose no longer had running water
- Water department, health department and law enforcement are providing inquiries



# Module 2: Identification of Response Action

## Monday

- News traveling fast in the local town about the water potentially being contaminated.
  - Nearby businesses and residential areas are concerned
- Dead fish have been seen along the banks of the river
  - Do Not Swim and Do Not Fish signage has been posted



# Module 2: Identification of Response Action

## Tuesday

- Based on Monday's findings, the water utility and the regional office of ODW are able to significantly narrow the analytical scope being performed in the lab.
- Lab results: 5.7 parts per billion (ppb) in impacted area
- No one gets tainted coffee from the café, but chicken feed manufacturer and the deli meat processing plant are 24-7 operation in full production
- Storm drain inlet affected.
  - Do Not Drink advisory has been issued



# Module 2: Table Activity Session

1. Consider the developments while answering assigned questions
2. Identify any additional requirements, critical issues, decisions, and questions you think should be addressed at this time
3. Record any unanswered assigned questions or participant questions





# Break Out Session

30 Minutes to discuss questions

30 Minutes for all groups to report out



# Wrap-Up Activities (Hot Wash)

- Hot Wash Questions
  - Please discuss the wrap up questions



# Questions



**Thank You!**

